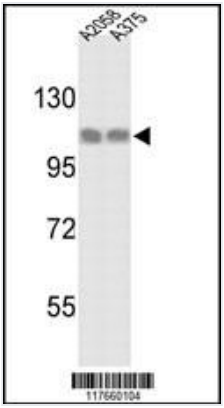
HSPH1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HSPH1, Polyclonal Antibody
Full Product Name	HSPH1, CT (Heat Shock Protein 105kD, Heat Shock 110kD Protein, Antigen NY-CO-25, HSP105, HSP110, KIAA0201) (MaxLight 650)
Product Gene Name	anti-HSPH1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human HSPH1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	97,460 Da
OMIM	610703
3D Structure	ModBase 3D Structure for Q92598
Immunogen	Synthetic peptide selected from the C-terminal region of human HSPH1 (KLH).
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-HSPH1 antibody	Antibodies; Heat Shock Proteins
Applications Tested/Suitable for anti-HSPH1 antibody	Western Blot (WB), FLISA
Application Notes for anti-HSPH1 antibody	WB: 1:50-1:100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-HSPH1 antibody	MBS6479836 is an antibody targeting HSPH1. Also known as HSPH1, CT (Heat Shock Protein 105kD, Heat Shock 110kD Protein, Antigen NY-CO-25, HSP105, HSP110, KIAA0201) (MaxLight 650). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-HSPH1 antibody	1. Ishihara K., Yasuda K., Hatayama T.Biochim. Biophys. Acta 1444:138-142(1999). 2. Nagase T., Seki N., Ishikawa K., Ohira M., Kawarabayasi Y., DNA Res. 3:321-329(1996). 3. The MGC Project Team Genome Res. 14:2121-2127(2004). 4. Miyazaki M., Nakatsura T., Yokomine K., Senju S., Monji M., Hosaka S., Cancer Sci. 96:695-705(2005).
Other Notes	Small volumes of anti-HSPH1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-HSPH1 antibody
Western blot analysis of HSPH1 Antibody (C-term) in A2058 and A375 cell line lysates (35ug/lane). HSPH1 (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSPH1. It may not necessarily be applicable to this product.

NCBI GI #	42544159
NCBI GeneID	10808
NCBI Accession #	NP_006635
UniProt Primary Accession #	Q92598
UniProt Secondary Accession #	O95739; Q5TBM6; Q5TBM7; Q5TBM8; Q9UPC4; B4DYH1
UniProt Related Accession #	Q92598
GenBank Nucleotide #	NM_006644.3
NCBI Official Full Name	heat shock protein 105 kDa isoform 1
NCBI Official Synonym Full Names	heat shock protein family H (Hsp110) member 1
NCBI Official Symbol	HSPH1
NCBI Official Synonym Symbols	HSP105; HSP105A; HSP105B; NY-CO-25
UniProt Protein Name	Heat shock protein 105 kDa
UniProt Synonym Protein Names	Antigen NY-CO-25; Heat shock 110 kDa protein
Protein Family	Heat shock protein
UniProt Gene Name	HSPH1
UniProt Synonym Gene Names	HSP105; HSP110; KIAA0201
UniProt Entry Name	HS105_HUMAN
NCBI Protein Information	heat shock protein 105 kDa
NCBI Summary for HSPH1	This gene encodes a member of the heat shock protein 70 family of proteins. The encoded protein functions as a nucleotide exchange factor for the molecular chaperone heat shock cognate 71 kDa protein (Hsc70). In addition, this protein plays a distinct but related role as a holdase that inhibits the aggregation of misfolded proteins, including the cystic fibrosis transmembrane conductance regulator (CFTR) protein. Elevated expression of this protein has been observed in numerous human cancers. [provided by RefSeq, Mar 2017]

UniProt Comments for HSPH1	HSP105: a molecular chaperone of the heat shock protein 70 family. Has ATPase activity. Expressed at especially high levels in mammalian brain and has been shown to suppress apoptosis in neuronal cells and to prevent the aggregation of proteins following heat shock. Known to interact with a variety of proteins including alpha-tubulin and the androgen receptor. Two alternatively spliced isoforms have been described. Protein type: Chaperone; Heat shock protein Chromosomal Location of Human Ortholog: 13q12.3 Cellular Component: nucleoplasm; microtubule; cytoplasm; extracellular region; cytosol Molecular Function: protein binding; ATP binding; alpha-tubulin binding Biological Process: receptor-mediated endocytosis; positive regulation of NK T cell activation; chaperone cofactor-dependent protein folding; positive regulation of MHC class I biosynthetic process; response to unfolded protein
Research Articles on HSPH1	**1.** Established heat shock protein 110 (HSP110) as a prognostic biomarker of colorectal carcinomas (CRCs) with microsatellite instability-high (MSI-H) by considering the intratumoral heterogeneity of HSP110 expression. The HSP110wt-low MSI-H CRCs were significantly correlated with larger deletions in the HSP110 T17 mononucleotide repeat (>/=4 bp; p < 0.001).
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